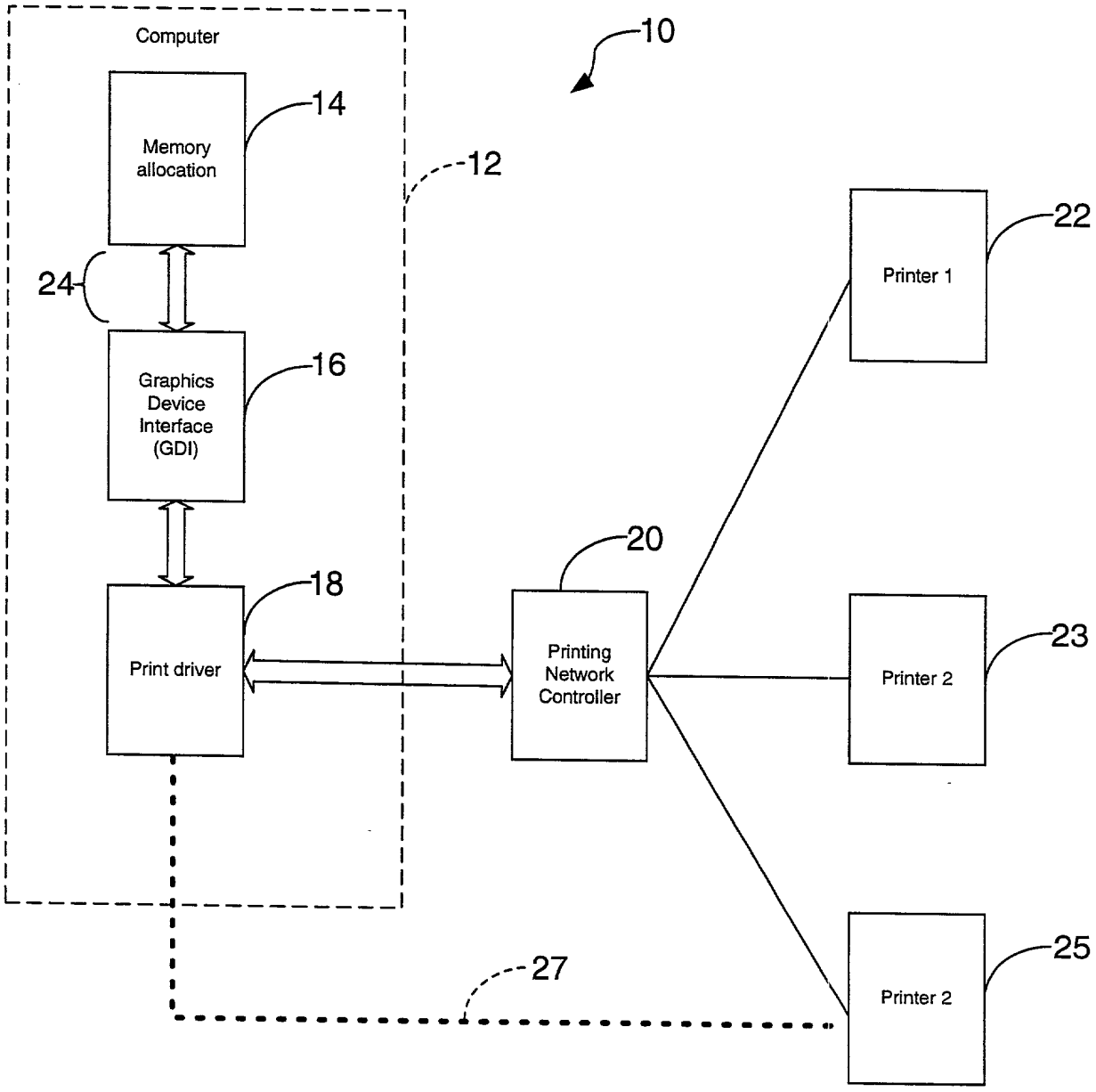
Figure 1



Prior Art

Figure 2

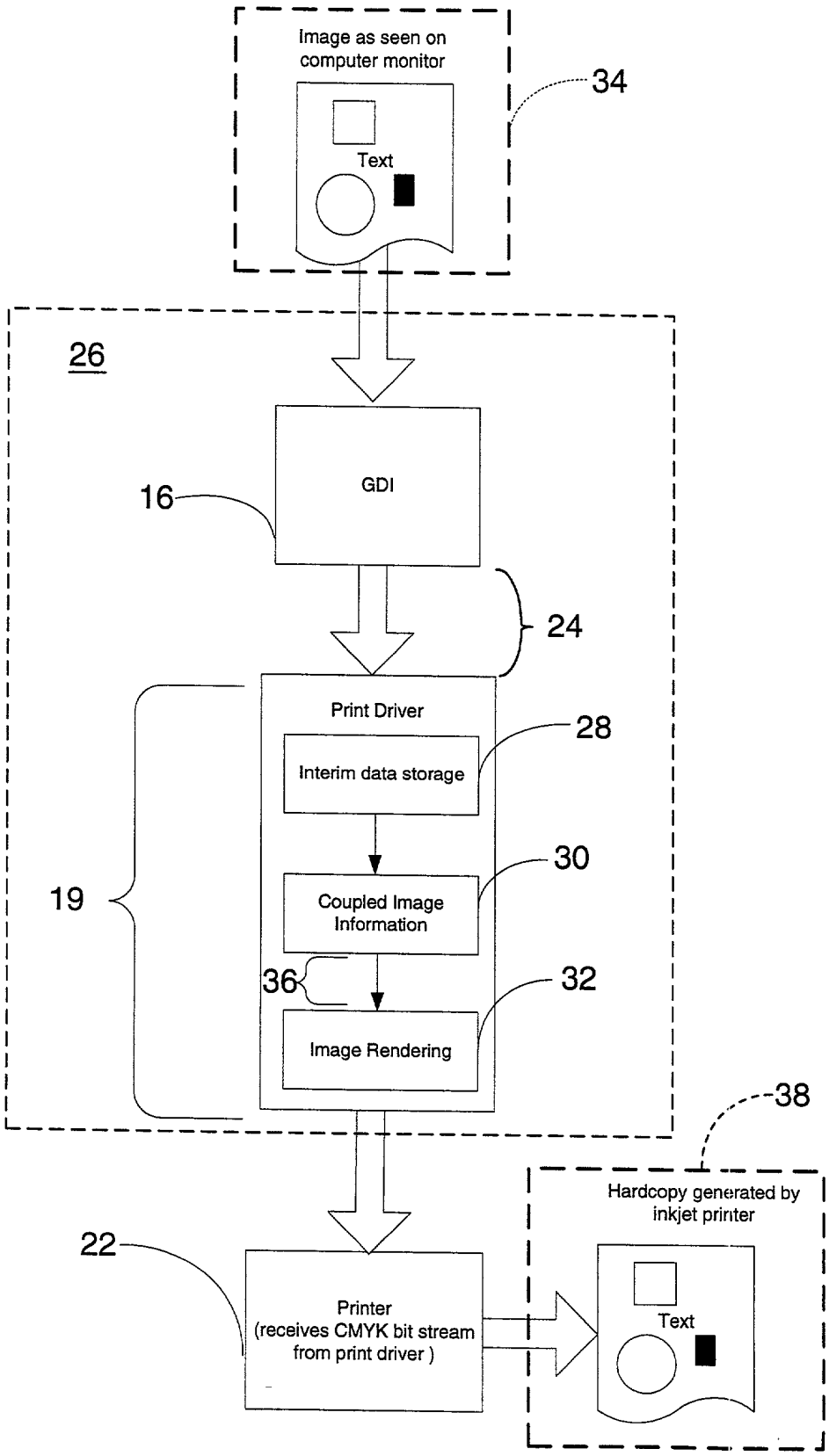


Image as seen on computer monitor
34
Text
26
GDI
16
24
Print Driver
28
Interim data storage
30
19
Coupled Image Information
36
32
Image Rendering
38
Hardcopy generated by inkjet printer
22
Printer (receives CMYK bit stream from print driver)
Text

Figure 3(a)
(Prior Art)

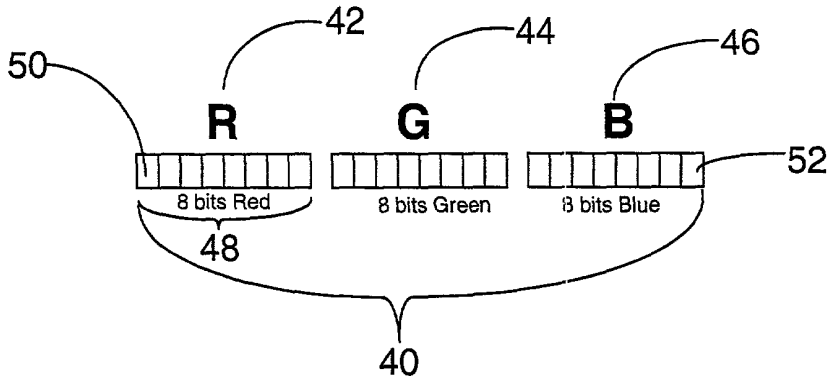


Figure 3(b)

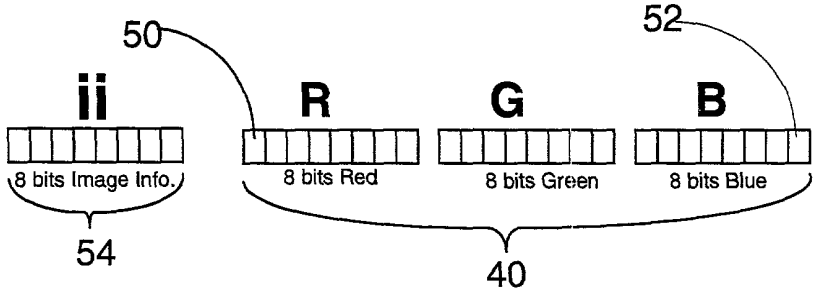


Figure 3(c)

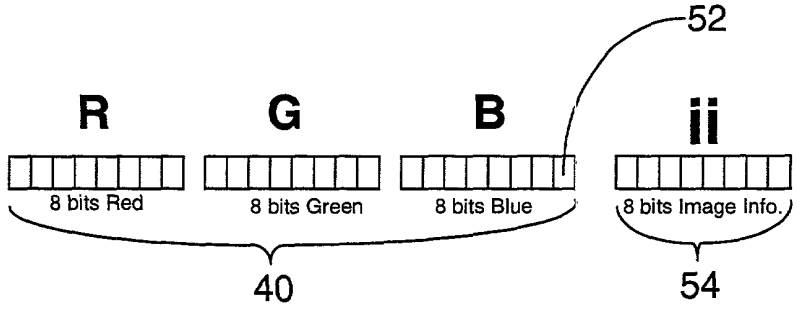


Figure 3(d)

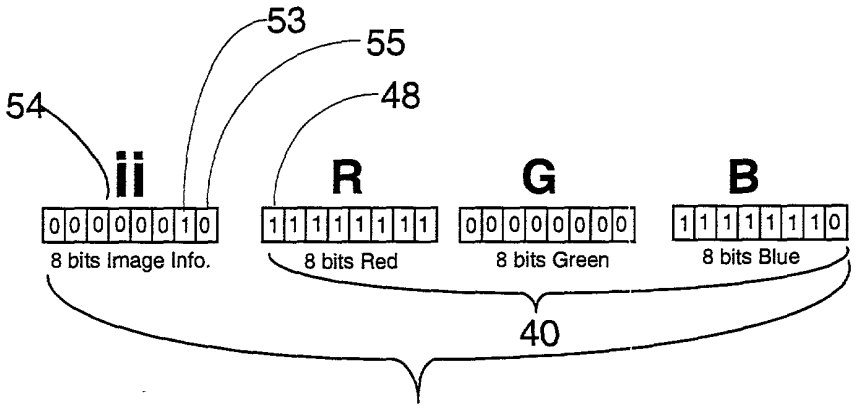


Figure 4

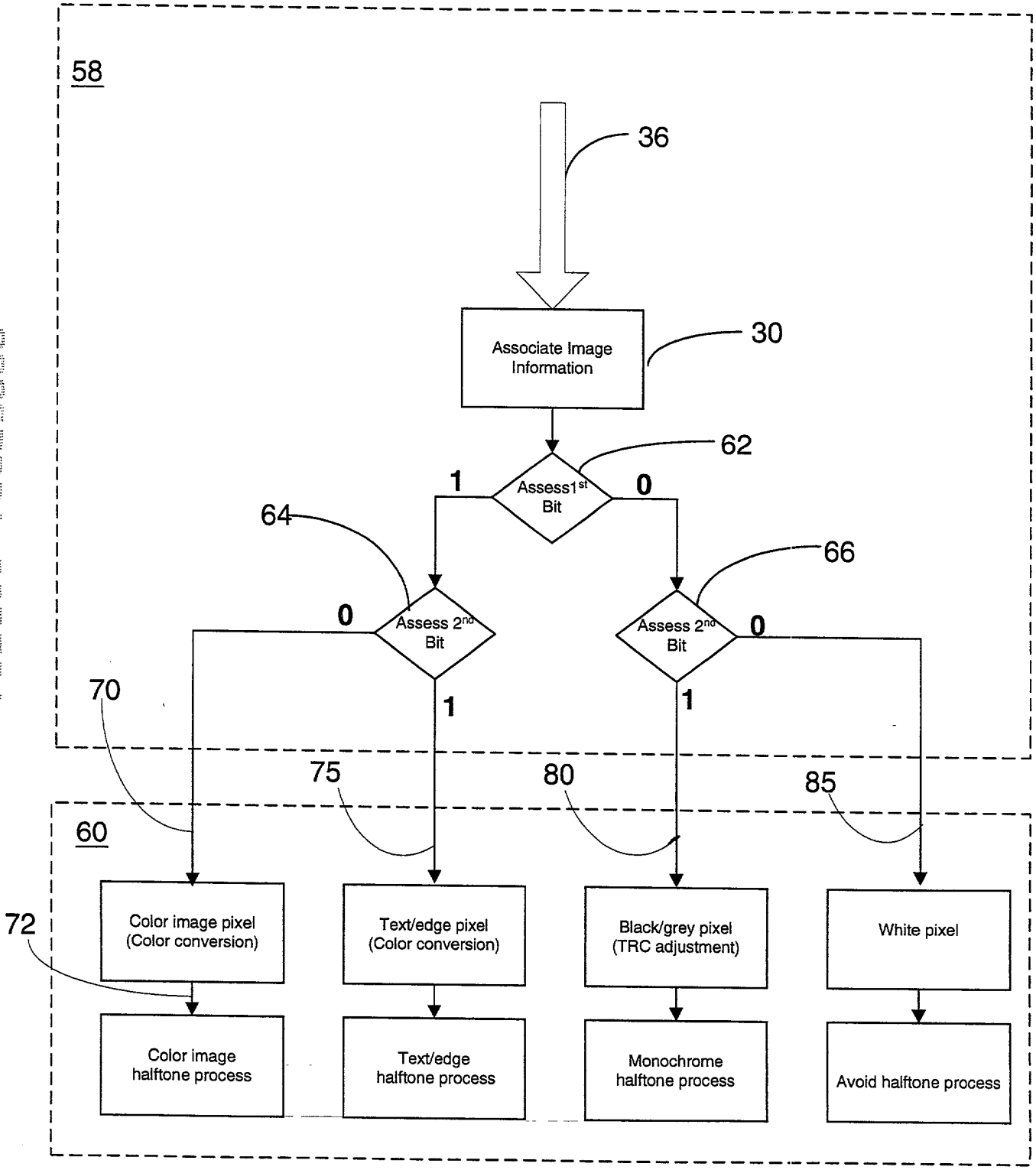

58
36
Associate Image Information
30
62
Assess1st Bit
1
0
64
66
Assess 2nd Bit
Assess 2nd Bit
0
0
1
1
70
75
80
85
60
72
Color image pixel (Color conversion)
Text/edge pixel (Color conversion)
Black/grey pixel (TRC adjustment)
White pixel
Color image halftone process
Text/edge halftone process
Monochrome halftone process
Avoid halftone process

Figure 5(a)

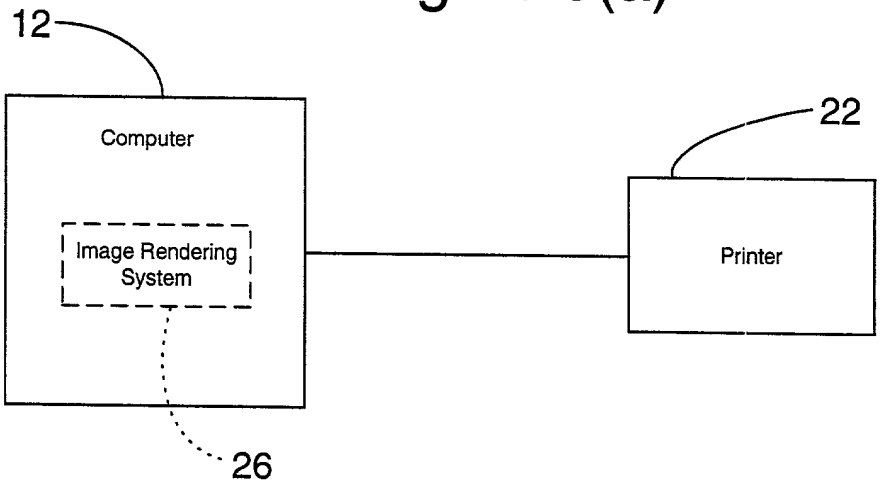


Figure 5(b)

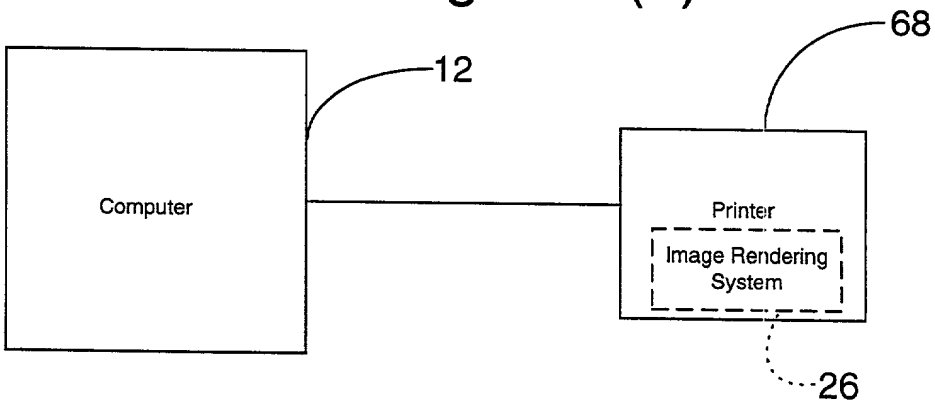
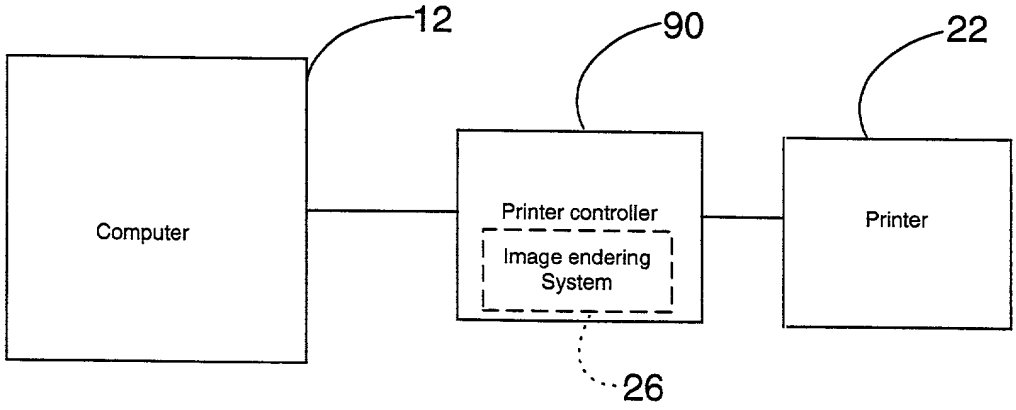



Figure 5(c)